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TITLE : MICROBIALY BIODEGRADABLE POLYETHYLENE CARBONATE RESIN
COMPOSITION

ABSTRACT : PURPOSE: To obtain a new plastic material being nondeleterious to the environment and having excellent microbial biodegradability, incinerability and processability by mixing a polyethylene carbonate resin with a microbially biodegradable synthetic polymer and/or a natural polymer in a specified mixing ratio.

CONSTITUTION: This resin composition is prepared by mixing 5-99wt.% polyethylene carbonate resin with 95-1wt.% microbially biodegradable polymer and/or natural polymer. Examples of the microbially biodegradable synthetic polymers which can be desirably used include aliphatic polyester resins such as poly(3- hydroxybutyrate), polycaprolactone and poly(3-hydroxy-valeric acid). Examples of the natural polymers used include starch, cellulose, pulp, pullulan, chitin, chitosan, gluten and keratin.

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